ADAPTIVE LINK DELAY MANAGEMENT IN WIRELESS LINK SYSTEMS

Abstract of the Disclosure

5   Systems and methods for adapting IEEE 802.11 wireless communications for

environments involving long propagation delays. Improved system throughput and

stability are provided. Propagation delays are measured systematically and used to adjust

contention timing boundaries and a common time slot duration. This reduces the

probability of collision in the CSMA/CA mode of the IEEE 802.11 standard. One

10   particular application is a point-to-multipoint campus bridge network.